A. CLASSIF IPC 7	H04L29/08 H04L12/26	H04L12/18	H04N7/24	H04L29/06		
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According to	International Patent Classification (IPC) or to both	national classification ar	nd IPC			
B. FIELDS S	SEARCHED					
Minimum doo	cumentation searched (classification system follow H04L H04N	ed by classification sym	DOIS)	·		
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Documentati	on searched other than minimum documentation to) the extent that such do	cuments are included i	it the fields sealched		
Electronic da	ata base consulted during the international search ((name of data base and	, where practical, searc	h terms used)		
	ternal, WPI Data, PAJ, INS					
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C. DOCUME	ENTS CONSIDERED TO BE RELEVANT			' Delemente alaba Al-		
Category °	Citation of document, with indication, where appr	opriate, of the relevant p	oassages	Relevant to claim No.		
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X Fur	ther documents are listed in the continuation of box	к С. Х	Patent family mem	bers are listed in annex.		
° Special c	ategories of cited documents :	мТм	later document publishe	d after the international filing date the conflict with the application but		
"A" docum	ent defining the general state of the art which is no dered to be of particular relevance	ot	cited to understand the invention	p principle or theory underlying the		
"E" earlier	earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered to					
"L" docum	document which may throw doubts on priority claim(s) or involve an inventive step when the document is taken alone which is cited to establish the publication date of another "V" document of particular relevance; the claimed invention					
citatio	citation or other special reason (as specified) cannot be considered to involve an inventive step when the					
"P" docum	other means "P" document published prior to the international filling date but "P" document published prior to the international filling date but					
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Name and	mailing address of the ISA		Authorized officer			
	European Patent Office, P.B. 5818 Patentias NL - 2280 HV Rijswijk	an 2				
1	Tel. (+31-70) 340-2040, Tx. 31 651 epo ni, Fax: (+31-70) 340-3016		Jeampier	re, G		

C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	SARA ALOUF: "Estimation de paramètres et analyse des performances de diverses applications réseaux / Parameter estimation and performance analysis of several network applications" INTERNET ARTICLE, [Online] 8 November 2002 (2002-11-08), XP002279352 Retrieved from the Internet: URL:http://www-sop.inria.fr/maestro/person nel/Sara.Alouf/these.html>	13
Υ	[retrieved on 2004-05-07] page 2, paragraph 2 page 3, paragraph 3 page 63, paragraph 1 page 65 page 66, paragraph 3 page 69, paragraph 4 - page 71, paragraph 1 page 73 page 79 - page 80 page 88, paragraph 6 page 89 page 94 page 95, paragraph 1 page 2.7 page 108, paragraph 3	1-12,14
X	FRIEDMAN T ET AL: "Multicast session membership size estimation" INFOCOM '99. EIGHTEENTH ANNUAL JOINT CONFERENCE OF THE IEEE COMPUTER AND COMMUNICATIONS SOCIETIES. PROCEEDINGS. IEEE NEW YORK, NY, USA 21-25 MARCH 1999, PISCATAWAY, NJ, USA, IEEE, US, 21 March 1999 (1999-03-21), pages 965-972, XP010323794	13
Y	ISBN: 0-7803-5417-6 abstract page 965, column 1, paragraph 5 - column 2 page 965, column 2, paragraph 4 page 966, column 1, paragraph 5 page 967, column 1 page 968, paragraph D - page 969, paragraph F	1-12,14

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C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	-
Category °	Citation of document, with Indication, where appropriate, of the relevant passages	Relevant to claim No.
X .	BOLOT J-C ET AL: "SCALABLE FEEDBACK CONTROL FOR MULTICAST VIDEO DISTRIBUTION IN THE INTERNET" COMPUTER COMMUNICATION REVIEW, ASSOCIATION FOR COMPUTING MACHINERY. NEW YORK, US, vol. 24, no. 4, 1 October 1994 (1994-10-01), pages 58-67, XP000477042	13
Α ·	ISSN: 0146-4833 abstract page 59, column 1 page 60, column 2, paragraph 1 - paragraph 3 page 61, paragraph 4	1-12,14
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A	WO 01/37480 A (KONINKL PHILIPS ELECTRONICS NV) 25 May 2001 (2001-05-25) figure 1 figure 2 page 1, paragraph 1 page 7, line 21 - page 9, line 4	1-14

Information on patent family members

PCT/GB2004/000681

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 0137480	. A	25-05-2001	CN · WO EP JP	1337108 0137480 1219065 2003515269	A2	20-02-2002 25-05-2001 03-07-2002 22-04-2003

, Form PCT/ISA/210 (patent family annex) (January 2004)

Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of Item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-14
Remark on Protest The additional search fees were accompanied by the applicant's protest.
No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-14

Method for tracking the size of a multicast audience comprising: transmitting to the multicast receivers requests including a probability p, each terminal replying or not with a corresponding probability; counting the number of replies to each request; determining from r and p estimates of the number of receivers N; filtering the estimates and repeatedely computing a new p by forecasting from r and p an upper bound of N and determining the new p therefrom.

2. claim: 15

Method for tracking the size of a multicast audience comprising: transmitting to the multicast receivers requests including a probability p, each terminal replying or not with a corresponding probability; counting the number of replies to each request; determining from r and p estimates of the number of receivers N; filtering the estimates and adaptively adjusting the parameters of said filtering as function of the power spectrum of past values of the estimates.